

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L22	2	((hcci or homogeneous) and compression and spark and dual and mode and engine and ignition and (hydrogen or hydrogen/carbon))[clm]	US-PGPUB	OR	ON	2007/05/24 12:09
S76	3	((hcci or homogeneous) and compression and spark and dual and mode and engine and ignition and (hydrogen or hydrogen/carbon))[clm]	US-PGPUB; USPAT	OR	ON	2007/05/24 12:08
L21	7	20 and (hydrogen or (carbon with monoxide))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/24 12:08
L20	14	19 and hcci	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/24 12:08
L19	3538	13 14 15 16 17 18	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/24 12:08
L7	32	6 and (hydrogen or (carbon with monoxide))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/24 12:08
L5	105	4 and hcci	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/24 12:08
L18	329	123/538.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/24 12:07
L17	125	123/537.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/24 12:07
L16	364	123/536.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/24 12:07
L15	2217	123/559.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/24 12:07

## EAST Search History

L14	95	123/526.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/24 12:07
L13	522	123/525.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/24 12:07
L9	968	123/3.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/24 12:07
L12	19	11 and (hydrogen or (carbon with monoxide))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/24 12:06
L11	65	10 and hcci	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/24 12:06
L10	1749	8 9	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/24 12:06
L8	785	123/295.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/24 12:06
L1	324	123/300.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/24 12:06
L6	83	5 and spark	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/24 12:04
L4	1506	1 2 3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/24 12:03
L3	1055	123/305.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/24 12:03
L2	174	123/304.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/05/24 12:03

## EAST Search History

S24 2	7	S241 and (dual with mode)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/08 09:50
S24 1	42	S240 and diesel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/08 09:50
S16 2	2	S161 and (dual with mode)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/08 09:50
S12 6	1	S125 and diesel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/08 09:50
S24 0	43	S238 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/08 09:49
S23 9	0	S237 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/08 09:49
S23 8	292	S236 and (hcci or homogeneous)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/08 09:49
S23 7	12	S231 and (hcci or homogeneous)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/08 09:49
S11 8	10	S117 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/08 09:49
S23 6	2574	S232 S233 S234 S235	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/08 09:48
S23 5	999	123/575.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/08 09:48
S44	76	S43 and (hcci or homogeneous)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/08 09:48

## EAST Search History

S23 4	857	123/299.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/08 09:47
S23 3	440	123/27ge.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/08 09:47
S23 2	382	123/27r.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/08 09:47
S23 1	1299	60/602.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/08 09:47
S23 0	19	S229 and knock	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/08 09:47
S22 9	22	S228 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 13:24
S22 8	63	S227 and (spark with ignition)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 13:24
S22 7	95	S226 and (hcci or (homogeneous with compression with ignition))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 13:24
S22 6	3025	S219 S220 S221 S222 S223 S224 S225	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 13:24
S21 8	15	S217 and knock	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 13:24
S21 7	17	S216 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 13:24
S21 6	83	S215 and (spark with ignition)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 13:24

## EAST Search History

S21 5	103	S214 and (hcci or (homogeneous with compression with ignition))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 13:24
S22 5	999	123/575.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 13:23
S22 4	857	123/299.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 13:23
S22 3	318	123/538.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 13:23
S22 2	125	123/537.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 13:23
S22 1	361	123/536.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 13:23
S22 0	93	123/526.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 13:23
S21 9	517	123/525.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 13:22
S21 3	952	123/3.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 13:22
S21 4	1699	S212 S213	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 11:18
S21 2	751	123/295.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 11:18
S20 9	20	S208 and knock	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 11:18

## EAST Search History

S20 8	25	S207 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 11:18
S20 7	97	S206 and (spark with ignition)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 11:18
S20 6	126	S205 and (hcci or (homogeneous with compression with ignition))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 11:18
S21 1	0	S210 and (hcci or (homogeneous with compression with ignition))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 11:17
S21 0	4	("5365902"   "6283100"   "6595182"   "6705277").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/07 10:59
S20 5	1419	S202 S203 S204	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 09:37
S20 4	990	123/305.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 09:37
S20 3	159	123/304.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 09:37
S20 2	314	123/300.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 09:37
S20 1	1	"6651432".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 09:36
S20 0	1	"1378644"	EPO	OR	ON	2006/11/06 12:21
S19 9	0	ep1378644	EPO	OR	ON	2006/11/06 12:19
S19 8	8816	kobayashi[inv]	EPO	OR	ON	2006/11/06 12:19

## EAST Search History

S19 7	19578	S196 and ep	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 12:18
S19 6	189640	Kobayashi[inv]	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 12:18
S19 5	5	S194 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 12:18
S19 4	9	S193 and HCCI	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 12:17
S19 3	314	123/300.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/06 12:17
S19 1	27	S190 and egr	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 15:15
S19 2	1	S191 and reformer	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 15:14
S19 0	32	S189 and (high with load)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 15:14
S18 9	35	S188 and (low with load)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 15:14
S18 8	64	S176 and ignition	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 15:14
S18 7	1	S185 and reformer	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 15:14

## EAST Search History

S18 5	8	S184 and egr	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 15:14
S18 4	8	S183 and ignition	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 15:14
S18 3	8	S182 and (high with load)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 15:14
S18 2	8	S181 and (low with load)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 15:14
S18 6	1	S185 and plasmatron	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 14:57
S18 1	11	S180 and ((hcci or "homogenous charge compression ignition") and hydrogen and diesel)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 14:52
S18 0	2065	S177 S178 S179	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 14:23
S17 9	997	123/575.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 14:23
S17 8	314	123/300.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 14:23
S17 7	836	123/299.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 14:23
S17 5	91	(hcci or "homogenous charge compression ignition") and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 14:23
S17 6	64	(hcci or "homogenous charge compression ignition") and hydrogen and diesel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 14:22



## EAST Search History

S17 4	1	S172 and ignition	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 14:14
S17 3	0	S172 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 13:51
S17 2	1	"6651432".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/19 13:47
S17 1	2	((hcci or homogeneous) and compression and spark and dual and mode and engine and ignition and (hydrogen or hydrogen/carbon))[clm]	US-PGPUB	OR	ON	2006/08/17 12:54
S17 0	2	S169 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:50
S16 9	28	S168 and hcci	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:50
S16 0	3	S159 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:50
S15 9	10	S158 and hcci	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:50
S16 8	793	S166 S167	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:49
S16 7	439	123/27ge.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:49
S16 6	374	123/27r.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:49
S16 5	0	S164 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:49

## EAST Search History

S16 4	4	S163 and hcci	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:49
S16 3	1285	60/602.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:49
S15 7	317	123/538.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:49
S15 6	125	123/537.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:49
S15 1	7	S150 and (dual with mode)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:29
S16 1	3	S160 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:27
S14 9	12	S148 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:27
S14 8	41	S147 and hcci	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:27
S15 8	3478	S152 S153 S154 S155 S156 S157	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:26
S15 5	358	123/536.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:26
S15 4	2185	123/559.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:26
S15 3	92	123/526.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:26

## EAST Search History

S15 2	512	123/525.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:26
S14 6	946	123/3.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:26
S14 2	9	S140 and (dual with mode)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:24
S15 0	11	S149 and spark	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:23
S14 7	1680	S145 S146	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:23
S14 5	738	123/295.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:23
S14 3	9	S142 and spark	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:23
S14 0	20	S139 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:23
S13 9	71	S138 and hcci	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:23
S13 5	311	123/300.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:23
S14 4	9	S143 and low	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 12:00
S14 1	1615107	S140 and dual mode	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 11:58

## EAST Search History

S13 8	1374	S135 S136 S137	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 11:57
S13 7	952	123/305.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 11:43
S13 6	155	123/304.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/17 11:43
S13 4	2	S133 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/19 12:16
S13 3	5	"1378644"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/19 12:16
S13 2	0	"ep1378644"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/19 12:16
S13 1	5	"1378644"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/19 12:15
S13 0	6	S129 and turbocharg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 08:53
S12 9	14	S128 and diesel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 08:53
S12 8	15	S127 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 07:25
S12 7	108	S123 and (compression with ignition)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 07:25
S12 5	1	S124 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 07:25

## EAST Search History

S12 4	6	S123 and hcci	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 07:25
S12 3	473	S121 S122	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 07:24
S12 2	92	123/526.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 07:22
S12 1	434	123/27ge.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 07:22
S12 0	2	S119 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 07:22
S11 9	73	123/211.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 07:06
S11 3	42	S112 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 06:59
S11 7	197	S111 and spark[ab]	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 06:58
S11 6	170	S110 and ((compression with ignition) or hcci)[ab]	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 06:58
S11 2	502	S111 and (spark with ignition)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 06:58
S11 1	705	S110 and ((compression with ignition) or hcci)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 06:58
S11 5	0	S114 and turbocharge	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 06:57

## EAST Search History

S11 4	22	S113 and knock	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 06:57
S11 0	1754	S106 S107 S108 S109	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 06:55
S10 9	896	123/305.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 06:55
S10 8	146	123/304.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 06:55
S10 7	303	123/300.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 06:55
S10 6	708	123/295.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/16 06:55
S1	293	123/300.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/16 05:44
S10 5	16	S104 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/08 12:56
S10 4	73	S103 and (dual with mode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/08 12:56
S10 3	420	hcci	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/08 12:56
S10 2	0	S101 and hcci	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/08 12:56

## EAST Search History

S10 1	381	123/640.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/08 12:55
S10 0	2	"6295973".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/05 16:07
S99	3	"20040099226"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/05 16:07
S98	13	S97 and (carbon adj monoxide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/31 11:04
S97	97	S96 and (spark near ignition)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 11:04
S96	737	S94 S95	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 11:04
S85	50	S84 and (carbon adj monoxide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/31 11:04
S84	331	S83 and (spark near ignition)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 11:04
S95	396	123/27ge.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 11:03
S94	361	123/27r.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 11:03
S93	0	123/602.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 11:03
S92	273	123/538.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 11:03
S91	246	123/536.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 11:03

## EAST Search History

S90	106	123/537.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 11:03
S89	819	123/559.1.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 11:03
S88	85	123/526.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 11:03
S87	361	123/525.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 11:03
S86	720	123/3.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 11:03
S83	611	S82 and (hcci or homogeneous)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 11:02
S77	276	123/300.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 11:02
S5	1	S4 and (carbon adj monoxide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/31 11:02
S82	1571	S80 S81	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 11:01
S81	656	123/295.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 11:01
S80	1160	S77 S78 S79	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 11:01
S79	804	123/305.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 11:01
S78	120	123/304.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 11:01
S75	0	S74 and egr	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/22 17:10



## EAST Search History

S74	1	S73 and knock	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/22 17:10
S73	1	S72 and spark	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/22 17:10
S72	1	S71 and hcci	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/22 17:08
S71	1	S70 and mode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/22 17:07
S70	2	"6866016".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/22 17:07
S68	2	S66 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/22 17:07
S69	0	S68 and cetane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/22 16:53
S67	0	S66 and noise	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/22 16:53
S66	2	"5139002".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/22 16:53
S63	1	S62 and noise	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/22 16:53

## EAST Search History

S62	2	"6684849".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/22 16:53
S65	1	S64 and noise	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/22 16:51
S64	2	"20040149255".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/22 16:51
S61	8	S60 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/08/20 12:50
S45	14	S44 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/08/20 12:50
S60	10	S59 and (carbon adj monoxide)	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/20 12:49
S59	30	S58 and (hcci or homogeneous)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/08/20 12:49
S46	6	S45 and (carbon adj monoxide)	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/20 12:49
S58	687	S55 S56 S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/20 12:48
S57	302	123/538.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/20 12:48
S27	291	123/538.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/20 12:48

## EAST Search History

S56	124	123/537.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/20 12:47
S55	343	123/536.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/20 12:47
S26	123	123/537.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/20 12:47
S25	337	123/536.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/20 12:47
S54	19	S53 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/08/20 12:44
S53	65	S52 and (carbon adj monoxide)	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/20 12:43
S52	604	S51 and (hcci or homogeneous)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/08/20 12:43
S51	1694	S47 S48 S49 S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/20 12:43
S50	854	123/305.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/20 12:43
S49	685	123/295.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/20 12:43

## EAST Search History

S48	138	123/304.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/20 12:43
S9	800	123/305.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/20 12:43
S8	650	123/295.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/20 12:43
S7	131	123/304.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/20 12:43
S47	301	123/300.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/20 12:42
S43	1530	S40 S41 S42	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/08/20 12:39
S42	393	123/27ge.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/20 12:39
S41	850	123/575.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/20 12:39
S40	359	123/27r.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/20 12:39
S39	7	S37 and cetane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:40
S38	0	S37 and plasmatron	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:40

## EAST Search History

S29	1	S28 and plasmatron	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:40
S37	12	S16 and diesel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:39
S16	12	S15 and (turbocharg\$4 or supercharg\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:39
S36	1	S35 and hcci	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:38
S35	993	S34 and (turbocharg\$4 or supercharg\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:38
S34	1132	60/602.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:38
S33	2	S32 and knock	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:38
S32	3	S31 and (carbon adj monoxide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:37
S31	5	S24 and (turbocharg\$4 or supercharg\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:37
S13	15	S12 and knock	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:37

## EAST Search History

S30	1	S24 and plasmatron	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:36
S28	671	S25 S26 S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:35
S22	89	123/526.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:35
S24	6	S23 and HCCI	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:34
S23	3536	S19 S20 S21 S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:34
S21	482	123/525.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:34
S20	881	123/3.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:34
S19	2118	123/559.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:34
S2	5	S1 and HCCI	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:34
S18	0	S16 and plasmatron	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:31

## EAST Search History

S17	0	S16 and reformer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:31
S15	15	S14 and egr	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:30
S14	15	S13 and spark	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:30
S12	17	S11 and (carbon adj monoxide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:28
S11	47	S10 and HCCI	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:28
S6	1	S5 and knock	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:28
S10	1352	S7 S8 S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:27
S4	1	S3 and carbon	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:24
S3	1	S2 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/10 10:24